***Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

CW#81Ha: Arc Length/ Arc Measure

Honors Geometry

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| **CRS** | **PPF 703 - Use relationships among circles, arcs, and distance of a circle** |
| **Objective** | **SWBAT** find arc length using proportions. |

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| **Do Now: Arc Measure Review** | |
| 1) Find the value of x. | 2) Find the value of x. |
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| **Proportions Review** | |
| What is 54% of 17? | How many eggs are in 5 dozen? |
| What is 60% of 84? | How many feet are in 54 inches? |
| Macintosh HD:Users:rmitrovich:Desktop:Screen Shot 2015-04-22 at 8.54.49 PM.png**Given:**  Find x.  x | |
| Create your own example: | |

|  |  |
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| **Arc Length Review** | |
| If the diameter is 12in. Find the arc lengths for each problem. | |
| 10) Find the arc length of AB. | 11) Find the arc length of AB. |
|  | |
| 14) A birthday cake is sliced into 8 equal pieces. The arc length of one piece of cake is 6.28 inches as shown. Find the diameter of the cake. | 13) Find the circumference of circle Q. Find the radius of circle Q. |